Subject: Re: Access to clusters properties
Posted by Ronald Kunne on Tue, 10 May 2011 11:05:07 GMT
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Hi Dima,

Thanks for the info. I looked through your collection of macros and found an easy solution there. I got 1) to work as I described above with the following for the "hypothetical loop":

```
            Int_t ndigi= digi_array->GetEntriesFast();
            Double_t digiEsum=0;
 for (Int_t i=0; i<ndigi; i++) {
   PndEmcDigi *digi=(PndEmcDigi*)digi_array->At(i);
   Double_t digi_energy=digi->GetEnergy();
              digiEsum+=digi_energy;
 }
```

After the loop the sum over the digi energies is equal to the cluster energy as it should. I found this method in your /macro/emc/dedicated/digi_analys.C

2) does work indeed for
PndEmcClusterEnergySums esum(*cl, digi_array);
(which is the example in your reco_analys.C).

But when using instead
PndEmcXClMoments mom(*cl, digi_array);
I get the error message: "gGeoManager does not exist" with root ending without a crash.

But with access to the digis I can calculate my own moments anyway.

Greetings,
Ronald Kunne